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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/584,475	06/23/2006	Manabu Sutoh	71,051-036	1993
27305 7590 10/17/2008 HOWARD & HOWARD ATTORNEYS, P.C. THE PINEHURST OFFICE CENTER, SUITE #101 39400 WOODWARD AVENUE			EXAMINER	
			CHANG, VICTOR S	
	HILLS, MI 48304-51	51	ART UNIT	PAPER NUMBER
			1794	
			MAIL DATE	DELIVERY MODE
			10/17/2008	PAPER

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

	Application No.	Applicant(s)				
	10/584,475	SUTOH ET AL.				
Office Action Summary	Examiner	Art Unit				
	VICTOR S. CHANG	1794				
The MAILING DATE of this communication app	ears on the cover sheet with the c	orrespondence address				
Period for Reply						
A SHORTENED STATUTORY PERIOD FOR REPLY WHICHEVER IS LONGER, FROM THE MAILING DA - Extensions of time may be available under the provisions of 37 CFR 1.13 after SIX (6) MONTHS from the mailing date of this communication. - If NO period for reply is specified above, the maximum statutory period w - Failure to reply within the set or extended period for reply will, by statute, Any reply received by the Office later than three months after the mailing earned patent term adjustment. See 37 CFR 1.704(b).	ATE OF THIS COMMUNICATION 36(a). In no event, however, may a reply be time will apply and will expire SIX (6) MONTHS from cause the application to become ABANDONEI	lely filed the mailing date of this communication. (35 U.S.C. § 133).				
Status						
1) Responsive to communication(s) filed on 19 Au	iaust 2008					
	action is non-final.					
·=						
closed in accordance with the practice under <i>E</i>	• • • • • • • • • • • • • • • • • • • •					
Disposition of Claims						
4)⊠ Claim(s) <u>1,3-9,12,15,16 and 19</u> is/are pending in the application.						
4a) Of the above claim(s) <u>6-9</u> is/are withdrawn from consideration.						
5) Claim(s) is/are allowed.						
6) Claim(s) <u>1,3-5,12,15,16 and 19</u> is/are rejected.						
7) Claim(s) is/are objected to.						
8) Claim(s) are subject to restriction and/or	election requirement.					
Application Papers						
9) The specification is objected to by the Examine	•					
10) The drawing(s) filed on is/are: a) accepted or b) objected to by the Examiner.						
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).						
Replacement drawing sheet(s) including the correcti	- · · ·	* *				
11)☐ The oath or declaration is objected to by the Ex	aminer. Note the attached Office	Action or form PTO-152.				
Priority under 35 U.S.C. § 119						
12)☐ Acknowledgment is made of a claim for foreign	priority under 35 U.S.C. § 119(a)	-(d) or (f).				
a) ☐ All b) ☐ Some * c) ☐ None of:						
1. Certified copies of the priority documents have been received.						
2. Certified copies of the priority documents have been received in Application No						
3. Copies of the certified copies of the priority documents have been received in this National Stage						
application from the International Bureau (PCT Rule 17.2(a)).						
* See the attached detailed Office action for a list of the certified copies not received.						
Attachment(s)						
1) Notice of References Cited (PTO-892)	4) Interview Summary	(PTO-413)				
2) Notice of Draftsperson's Patent Drawing Review (PTO-948)	Paper No(s)/Mail Da	ite				
Information Disclosure Statement(s) (PTO/SB/08) Paper No(s)/Mail Date	5) Notice of Informal P	atent Application				
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DETAILED ACTION

Introduction

- 1. Applicants' amendments and remarks filed on 8/19/2008 have been entered. Claim 1 has been amended. Claims 1, 3-5, 12, 15, 16 and 19 are active.
- 2. The text of those sections of Title 35, U.S. Code not included in this action can be found in a prior Office action.
- 3. In response to the amendments, the grounds of rejection have been updated as set forth below. Rejections not maintained are withdrawn.

Rejections Based on Prior Art

4. Claims 1, 3-5, 12, 15, 16 and 19 are rejected under 35 U.S.C. 102(b) as being anticipated by EP 0 571 649.

EP '649 relates to a dicing-die bonding film for producing semiconductor chips [abstract]. The bonding film comprises in sequence a substrate (base film), a pressure-sensitive layer (undercoat layer), a first adhesive layer, and a second adhesive layer [Figure; col. 3, Il. 12-16]. The second adhesive layer can be formed by semi-curing a thermosetting silicone resin to B-stage [col. 6, Il. 47-55]. A semiconductor wafer is placed on and bonded with the second adhesive layer of the film to fix the wafer. The resulting wafer is cut into chips by suitable means such as a rotary wheel cutter. The dicing-die bonding film has a sufficient holding power during cutting thereof into chips and the cut chips can be smoothly peeled along with the first and second adhesive layers due to the good release properties of the first adhesive layer to the

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pressure-sensitive layer. The second adhesive layer side (outer surface) is temporarily covered with a separator (strippable layer) to protect the layer [col. 7, ll. 24-57].

For claims 1, EP '649 teaches that the cut chips can be smoothly peeled along with the first and second adhesive layers due to the good release properties of the first adhesive layer to the pressure-sensitive layer, EP '649 anticipates newly amended limitation "silicone based adhesive agent layer is stripped from said undercoat layer after bonding to said semiconductor wafer." It should be noted that the pressure sensitive layer reads on the undercoat layer of claimed invention, and absent a transition term of a closed clause, the claim language does not exclude the presence of the first adhesive layer of EP '649.

For claims 3-5, 12, 15, 16 and 19, absent any distinct feature between the layers, the pressure-sensitive layer of EP '649 reads on both layers of the laminated undercoat of the claimed invention. Since the film holds the chips cut from the semiconductor wafer, its base film has a surface area greater than the wafer. Finally, since the chip is bonded to the second adhesive layer, the strippable layer is necessarily removed prior to bonding.

EP '649 anticipates all the features of the claimed invention.

Response to Arguments

5. Applicants argue at Remarks page 7 that

"The stripping of the adhesive agent layer from the undercoat layer imparts structural features to the claimed dicing/bonding sheet and, in particular, to the adhesive agent layer, and such structural features cannot be ignored when comparing the instant claims to the teachings of the prior art. After all, an adhesive agent layer that is either not bonded to the semiconductor wafer or that cannot be stripped from the undercoat layer cannot satisfy each and every element of independent claim 1 as amended."

However, the pressure sensitive layer reads on the undercoat layer of claimed invention, and absent a transition term of a closed clause, the claim language does not exclude the presence of the first adhesive layer of EP '649. Further, absent any distinct feature between the layers, the pressure-sensitive layer of EP '649 reads on both layers of the laminated undercoat of the claimed invention.

Conclusion

6. Any inquiry concerning this communication or earlier communications from the examiner should be directed to VICTOR S. CHANG whose telephone number is (571)272-1474. The examiner can normally be reached on 7:00 am - 5:00 pm, Tuesday - Friday.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Rena Dye can be reached on 571-272-3186. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

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Primary Examiner, Art Unit 1794

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